

AERONAUTICAL TELECOMMUNICATIONS NETWORK PANEL

WORKING GROUP 2

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**Proposed text for SARPs Reference section
and associated change proposals**

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SUMMARY

The list of references contained in the front section of the CNS/ATM-1 Package SARPs has not been reviewed by the CISEC and CCB. However this section contains a number of obsolete and outdated entries. This document proposes a replacement section and associated DR/CP material for a rapid progression of this issue.

TABLE OF CONTENTS

1. Introduction.....	1
2. Problems	1
2.1 Where should the references be defined?	1
2.2 Referenced Standards should be quoted in SARPs and/or GM	1
2.3 What is the proper reference issue and date?	1
2.4 Are all quoted ISO standards actual SARPs references?	1
3. Recommendations.....	2
Attachment 1: Detailed defects and change proposals.....	3
Attachment 2: New proposed Reference Section.....	4

1. Introduction

The list of references contained in the front section of the CNS/ATM-1 Package SARPs has not been reviewed by the CISEC and CCB. However this section contains a number of obsolete and outdated entries.

This document proposes a replacement section and associated DR/CP material for a rapid progression of this issue.

2. Problems

2.1 Where should the references be defined?

The SARPs references are inconsistently defined throughout the document. Some chapters have a front subsection which contains the references applicable to that chapter, some don't. Unfortunately this list is sometimes incomplete (perhaps to avoid duplicate references?).

Proposal 1: move all references to the front section, and delete subsections in chapters.

2.2 Referenced Standards should be quoted in SARPs and/or GM

A lot of existing standard references are never quoted in the body of the document. This is partly due to the fact that Guidance Material is not yet available. However, the principle should be that only references quoted in text are listed.

Proposal 2: remove all unused references. Add applicable references when GM is made available.

2.3 What is the proper reference issue and date?

Some references have been reissued by ISO since first drafts of the SARPs have been produced. The reference section should be aligned to the latest information available from ISO. The attached proposal has been based on ISO catalog information updated on 13 January 1996.

In case current SARPs are forced to reference an old version of a given standard, both old and new references should be given and a note added.

No such case has been identified so far. All new issues of applicable standards we know of were merely consolidation of existing addenda/amendments that were already required by SARPs. Update to latest issue is therefore proposed.

Proposal 3: use ISO latest catalog information.

Note: an extract of ISO catalog information (up to date on 13/1/96) can be made available in WORD format for those interested (authors, editors, other WGs?).

2.4 Are all quoted ISO standards actual SARPs references?

There seems to be a qualitative difference between a reference to ISO 8473 and a reference to ISO 7498 in the sense that no SARPs requirements or recommendations are formulated based on the latter. This distinction is not always easy to make but it would clarify the scope of SARPs.

Guidance material is expected to extend the current list of references with additional guidance references.

Proposal 4: split the front reference section into two subsections: "References in SARPs" and "Additional References and Guidance".

3. Recommendations

It is recommended that:

- ATNP WG2 takes a decision on proposals 1 to 4.
- ATNP WG2 reviews DR/CP material contained in attachments 1 and 2 and decides on subsequent actions for progression of this material through CCB.

Attachment 1: Detailed defects and change proposals

SARPs Ref.	Defect description	Change proposal
3.1.2	refs and dates not consistent with ISO catalog	Delete reference section. Rely on front section
4.1.4	ref to ISO 8348/AD2 obsolete. Reissued in 1993 with consolidated addendum 1.	replace by "ISO 8348"
5.1	ref to ISO 8602:1987 obsolete. Reissued in 1995 with consolidated amendment 1.	replace by "ISO 8602"
5.3.1	ref to ISO 8072/AD1 obsolete. Reissued in 1994 with consolidated addendum 1.	replace by "ISO 8072"
6.1.1	2nd sentence: wrong reference to ISO/IEC 8648, it should be ISO/IEC 8348	replace by "...CLNS as defined in ISO/IEC 8348".
6.1.2	refs and dates not consistent with ISO catalog	Delete reference section. Rely on front section
8.1.2	refs and dates not consistent with ISO catalog	Delete reference section. Rely on front section
8.1.2	there is no reason for having a reference to ISO 9646-1 here (nor even in global reference section)	Add this reference in proposed "Additional References and Guidance" section, or delete it altogether.

Attachment 2: New proposed Reference Section

LIST OF REFERENCES

References in SARPs

ISO 3166:1993	Codes for the representation of names of countries
ISO 6523:1984	Data interchange – Structures for the identification of organizations
ISO/IEC 7498-1:1994	Information technology – Open Systems Interconnection – Basic Reference Model: The Basic Model
ISO 7498-2:1989	Information processing systems – Open Systems Interconnection – Basic Reference Model – Part 2: Security Architecture
ISO 7498-3:1989	Information processing systems – Open Systems Interconnection – Basic Reference Model – Part 3: Naming and addressing
ISO/IEC 7498-4:1989	Information processing systems – Open Systems Interconnection – Basic Reference Model – Part 4: Management framework
ISO/IEC 8072:1994	Information technology – Open Systems Interconnection – Transport service definition (Note: re-issue that includes addendum 1)
ISO/IEC 8073:1992	Information technology – Telecommunications and information exchange between systems – Open Systems Interconnection – Protocol for providing the connection-mode transport service
ISO/IEC 8208:1995	Information technology – Data communications – X.25 Packet Layer Protocol for Data Terminal Equipment
ISO/IEC 8348:1993	Information technology – Open Systems Interconnection – Network Service Definition (Note: re-issue that includes addenda 1 and 2)
ISO/IEC 8473-1:1994	Information technology – Protocol for providing the connectionless-mode network service: Protocol specification
ISO/IEC DIS 8473-2	Information technology – Protocol for providing the connectionless-mode network service – Part 2: Provision of the underlying service by an ISO/IEC 8802 subnetwork
ISO/IEC 8473-3:1995	Information technology – Protocol for providing the connectionless-mode network service: Provision of the underlying service by an X.25 subnetwork

ISO/IEC 8602:1995	Information technology – Protocol for providing the OSI connectionless-mode transport service <i>(Note: re-issue that includes amendment 1)</i>
ISO 8648:1988	Information processing systems – Open Systems Interconnection – Internal organization of the Network Layer
ISO/IEC 8802-2:1994	Information technology – Telecommunications and information exchange between systems – Local and metropolitan area networks – Specific requirements – Part 2: Logical link control
ISO/IEC 8824:1990	Information technology – Open Systems Interconnection – Specification of Abstract Syntax Notation One (ASN.1) <i>(Provisionally retained edition)</i>
ISO/IEC 8825:1990	Information technology – Open Systems Interconnection – Specification of Basic Encoding Rules for Abstract Syntax Notation One (ASN.1) <i>(Provisionally retained edition)</i>
ISO 9542:1988	Information processing systems – Telecommunications and information exchange between systems – End system to Intermediate system routing exchange protocol for use in conjunction with the Protocol for providing the connectionless-mode network service (ISO 8473)
ISO/IEC DIS 9542	Information technology – End system to Intermediate system routing information exchange protocol for use in conjunction with the Protocol for providing the connectionless-mode network service (ISO/IEC 8473) <i>(includes amendments 1 and 2)</i>
ISO/IEC TR 9575:1995	Information technology – Telecommunications and information exchange between systems – OSI Routing Framework
ISO/IEC TR 9577:1993	Information technology – Telecommunications and information exchange between systems – Protocol identification in the network layer
ISO/IEC 10589:1992	Information technology – Telecommunications and information exchange between systems – Intermediate system to intermediate system intra-domain-routing routine information exchange protocol for use in conjunction with the protocol for providing the connectionless-mode Network Service (ISO 8473)
ISO/IEC 10747:1994	Information technology – Telecommunications and information exchange between systems – Protocol for exchange of inter-domain routing information among intermediate systems to support forwarding of ISO 8473 PDUs

Additional References and Guidance

ISO/IEC 9646-1:1994	Information technology – Open Systems Interconnection – Conformance testing methodology and framework – Part 1: General concepts
ISO/IEC TR 10730:1993	Information technology – Open Systems Interconnection – Tutorial on naming and addressing
ISO/IEC 10731:1994	Information technology – Open Systems Interconnection – Basic Reference Model – Conventions for the definition of OSI services <i>(Note: replaces ISO TR 8509:1987 withdrawn in 1994)</i>
ISO/IEC 11577:1995	Information technology – Open Systems Interconnection – Network layer security protocol